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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Tue Nov 06 12:46:48 EST 2007

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Application No: 10518966 Version No: 2.0

Input Set:

Output Set:

Started: 2007-10-18 11:40:07.726
Finished: 2007-10-18 11:40:09.014
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 288 ms
Total Warnings: 6
Total Errors: 7
No. of SeqIDs Defined: 17
Actual SeqID Count: 17

Error code	Error Description
E 257	Invalid sequence data feature in <221> in SEQ ID (1)
E 257	Invalid sequence data feature in <221> in SEQ ID (1)
E 257	Invalid sequence data feature in <221> in SEQ ID (2)
E 257	Invalid sequence data feature in <221> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
E 257	Invalid sequence data feature in <221> in SEQ ID (15)
E 257	Invalid sequence data feature in <221> in SEQ ID (16)
E 257	Invalid sequence data feature in <221> in SEQ ID (17)

SEQUENCE LISTING

<110> Gutkowska et al.
 <120> Oxytocin as Cardiomyogenesis Inducer and Uses Thereof
 <130> 29105/40749
 <140> 10518966
 <141> 2005-11-04
 <150> PCT/CA2003/000897
 <151> 2003-06-13
 <150> CA 2391118
 <151> 2002-06-21
 <160> 17
 <170> PatentIn version 3.4
 <210> 1
 <211> 9
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> Disulfide bridge
 <222> (1)..(6)
 <223> Residues 1 and 6 are linked via a disulfide bridge
 <220>
 <221> Modification
 <222> (9)..(9)
 <223> C-terminal Gly is amidated
 <400> 1
 Cys Tyr Ile Gln Asn Cys Pro Leu Gly
 1 5
 <210> 2
 <211> 11
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> Disulfide bridge
 <222> (1)..(6)
 <223> Residues 1 and 6 are linked via a disulfide bridge
 <400> 2
 Cys Tyr Ile Gln Asn Cys Pro Leu Gly Gly Lys

1 5 10

<210> 3
<211> 512
<212> DNA
<213> Homo sapiens

<400> 3
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<210> 4
<211> 125
<212> PRT
<213> Homo sapiens

<400> 4

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1 5 10 15

Thr Ser Ala Cys Tyr Ile Gln Asn Cys Pro Leu Gly Gly Lys Arg Ala
20 25 30

Ala Pro Asp Leu Asp Val Arg Lys Cys Leu Pro Cys Gly Pro Gly Gly
35 40 45

Lys Gly Arg Cys Phe Gly Pro Asn Ile Cys Cys Ala Glu Glu Leu Gly
50 55 60

Cys Phe Val Gly Thr Ala Glu Ala Leu Arg Cys Gln Glu Glu Asn Tyr
65 70 75 80

Leu Pro Ser Pro Cys Gln Ser Gly Gln Lys Ala Cys Gly Ser Gly Gly
85 90 95

Arg Cys Ala Val Leu Gly Leu Cys Cys Ser Pro Asp Gly Cys His Ala
100 105 110

Asp Pro Ala Cys Asp Ala Glu Ala Thr Phe Ser Gln Arg
115 120 125

<210> 5
<211> 27
<212> DNA
<213> Homo sapiens

<400> 5
tgctacatcc agaactgccc cctggga 27

<210> 6
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<221> Disulfide bridge
<222> (1)..(6)
<223> Residues 1 and 6 are linked via a disulfide bridge

<400> 6

Cys Tyr Ile Gln Asn Cys Pro Leu Gly
1 5

<210> 7
<211> 4357
<212> DNA
<213> Homo sapiens

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aatggaacat tattagactc taaaaagaaa tgaagtactc acacatgcca caacatggat 4080

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<211> 389

<212> PRT

<213> Homo sapiens

<400> 8

Met Glu Gly Ala Leu Ala Ala Asn Trp Ser Ala Glu Ala Ala Asn Ala

1 5 10 15

Ser Ala Ala Pro Pro Gly Ala Glu Gly Asn Arg Thr Ala Gly Pro Pro

20 25 30

Arg Arg Asn Glu Ala Leu Ala Arg Val Glu Val Ala Val Leu Cys Leu

35 40 45

Ile Leu Leu Leu Ala Leu Ser Gly Asn Ala Cys Val Leu Leu Ala Leu

50 55 60

Arg Thr Thr Arg Gln Lys His Ser Arg Leu Phe Phe Phe Met Lys His

65 70 75 80

Leu Ser Ile Ala Asp Leu Val Val Ala Val Phe Gln Val Leu Pro Gln

85 90 95

Leu Leu Trp Asp Ile Thr Phe Arg Phe Tyr Gly Pro Asp Leu Leu Cys

100 105 110

Arg Leu Val Lys Tyr Leu Gln Val Val Gly Met Phe Ala Ser Thr Tyr

115 120 125

Leu Leu Leu Leu Met Ser Leu Asp Arg Cys Leu Ala Ile Cys Gln Pro
130 135 140

Leu Arg Ser Leu Arg Arg Arg Thr Asp Arg Leu Ala Val Leu Ala Thr
145 150 155 160

Trp Leu Gly Cys Leu Val Ala Ser Ala Pro Gln Val His Ile Phe Ser
165 170 175

Leu Arg Glu Val Ala Asp Gly Val Phe Asp Cys Trp Ala Val Phe Ile
180 185 190

Gln Pro Trp Gly Pro Lys Ala Tyr Ile Thr Trp Ile Thr Leu Ala Val
195 200 205

Tyr Ile Val Pro Val Ile Val Leu Ala Thr Cys Tyr Gly Leu Ile Ser
210 215 220

Phe Lys Ile Trp Gln Asn Leu Arg Leu Lys Thr Ala Ala Ala Ala Ala
225 230 235 240

Ala Glu Ala Pro Glu Gly Ala Ala Ala Gly Asp Gly Gly Arg Val Ala
245 250 255

Leu Ala Arg Val Ser Ser Val Lys Leu Ile Ser Lys Ala Lys Ile Arg
260 265 270

Thr Val Lys Met Thr Phe Ile Ile Val Leu Ala Phe Ile Val Cys Trp
275 280 285

Thr Pro Phe Phe Phe Val Gln Met Trp Ser Val Trp Asp Ala Asn Ala
290 295 300

Pro Lys Glu Ala Ser Ala Phe Ile Ile Val Met Leu Leu Ala Ser Leu
305 310 315 320

Asn Ser Cys Cys Asn Pro Trp Ile Tyr Met Leu Phe Thr Gly His Leu
325 330 335

Phe His Glu Leu Val Gln Arg Phe Leu Cys Cys Ser Ala Ser Tyr Leu
340 345 350

Lys Gly Arg Arg Leu Gly Glu Thr Ser Ala Ser Lys Lys Ser Asn Ser

Ser Ser Phe Val Leu Ser His Arg Ser Ser Ser Gln Arg Ser Cys Ser
370 375 380

Gln Pro Ser Thr Ala
385

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<211> 22
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 9
aagatgacct tcattcattgt tc 22

<210> 10
<211> 23
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<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 10
cgactcagga cgaaggtgga gga 23

<210> 11
<211> 24
<212> DNA
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<220>
<223> Synthetic oligonucleotide

<400> 11
gtcaatccta cccccgaagc agct 24

<210> 12
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<220>
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<400> 12
cagcatgggc tccttctcca 20

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cagtgatggc atccactgtg gtc 23

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<220>
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<400> 14
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<210> 15
<211> 10
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)..(6)
<223> Residues 1 and 6 are linked via a disulfide bridge

<400> 15

Cys Tyr Ile Gln Asn Cys Pro Leu Gly Gly
1 5 10

<210> 16
<211> 12
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)..(6)
<223> Residues 1 and 6 are linked via a disulfide bridge

<400> 16

Cys Tyr Ile Gln Asn Cys Pro Leu Gly Gly Lys Arg

1 5 10

<210> 17
<211> 12
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)..(6)
<223> Residues 1 and 6 are linked via a disulfide bridge

<220>
<221> Misc_feature
<222> (9)..(9)
<223> If residue 10 not Gly, the Gly in position 9 may be optionally
amidated

<220>
<221> Misc_feature
<222> (10)..(10)
<223> Xaa=Gly or nothing

<220>
<221> Misc_feature
<222> (11)..(11)
<223> If residue 10 is Gly, Xaa=Lys or nothing; if residue 10 is not Gly,
Xaa=nothing

<220>
<221> Misc_feature
<222> (12)..(12)
<223> If residue 11 is Lys, Xaa=Arg or nothing; if residue 10 is not Lys,
Xaa=nothing

<400> 17

Cys Tyr Ile Gln Asn Cys Pro Leu Gly Xaa Xaa Xaa

1 5 10